**IT Applications Unit 3, AOS 2, Organisations and Data Management**

**Database Design Tools, p 106**

**Naming Conventions**

**1** List the naming conventions that can be applied to a database.

**Entity-Relationship Diagram, (ERD)**

1. Describe the nature of these diagrams.
2. Draw the symbols used to represent, entities, relationships and attributes.
3. List the three steps to create an ERD.

**Data Structure Table**

1. draw a diagram of the data structure table which is used to design a new database.
2. Note: database tables cannot hold formulas.

**Data Structure diagram**

1 What is the purpose of this diagram?

**Query Design**

1. what is a query?
2. Distinguish between a primary and a secondary sort
3. Read the query criteria that can be used, including symbols, plain text, \*? Wildcards, etc.

**Layout diagram**

1. What does a layout diagram involve?
2. List what is contained on a layout diagram.

**Test Data**

1. When is a set of test data prepared?
2. What is the role of the test data?

**Validating data**

1. List the available electronic validation checks in the software.
2. What is an input mask?